

Mechanical Hygrostat MFR 012



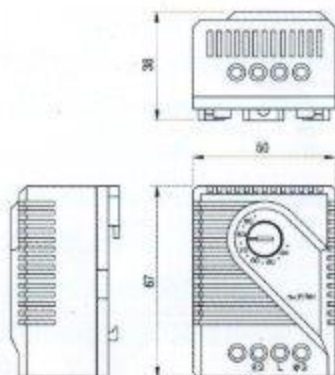
- Adjustable relative humidity
- Change-over contact
- High switching capacity
- Easily accessible terminals
- Clip fixing

The electromechanical hygrostat MRF 012 is designed to control enclosure heaters so that the dew point is raised when a critical relative humidity of 65% is exceeded. In this way condensation and corrosion is effectively prevented.

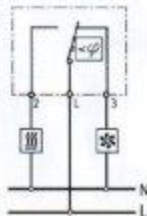
Technical Data

Switch difference*	4% RH (± 3% tolerance)
permissible air velocity	15M/sec
contact type	change-over contact
contact resistance	<10M ^Ω
Service life	>100,000 cycles
Min Switching capacity	20V AC/DC, 100mA
Max Switching capacity	250VAC, 31A
	DC 20W
EMC	acc. to EN 55014-1-2, EN 61000-3-2, EN 61000-3-3
connection	3-pole terminal for 2.5mm ² clamping torque 0.5Nm max. rigid wire 2.5mm ² stranded wire (with wire and female) 1.5mm ²
Mounting	clip for 35mm DIN rail EN 50022
Casing	plastic according to UL 94 V-0, light grey
Dimensions	67 x 50 x 39mm
Weight	approx. 60g
Fitting Position	variable
Operating/Storage temperature	0 to +60°C (32 to +140° F) / -20 to +80°C (-4 to +176° F)
Protection type	IP20

*at 50% RH

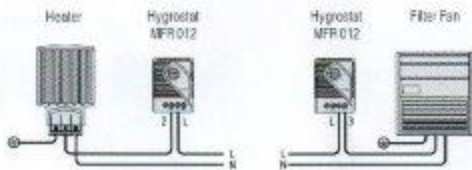


Connection diagram



Enclosure heater

Filter fan, Cooling equipment, Signal device



Examples of connection

Art. NO

01220.0-00

Setting range

30 to 95% RH